

Application Number : 10/611,783 Confirmation Number: 1898  
Applicant : Wade L. Hennessey  
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Examiner : Swearingen, Jeffrey R.

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## Interview Summary

**Participants:**

Examiner Swearingen,  
Patent Attorney Shun Yao,  
Tech. Expert Poornima Balasubramanyam

### **Identification of Claims and Reference Discussed**

Claim for discussion: Claim 1

Reference for discussion: Auerbach (U.S. Patent No. 6,832,253), and  
Martija et al. (U.S. Patent No. 7,039,689).

## Applicant's Arguments

Applicant respectfully submits that the proposed amendment of the independent claim 1 below overcomes the Examiner's rejection under 35 U.S.C. § 103(a)

Specifically, in embodiments of the present invention, arenas are administrative units that are collections of nodes defined by a system administrator. Corresponding routing rules are also defined for the arenas (see paragraph [0076] of the instant application). In addition, a variety of match sets may be defined. The match sets may comprise nodes belonging to a single local subnet, an arena, a router graph, an IP/20 network, among others (see paragraphs [0033]-[0037] of the instant application). The routing rules that correspond to the

arenas define fallback precedence rules within match sets as well as between match sets (see paragraph [0076] of the instant application).

The proximity measures disclosed in the Auerbach system disclose a precedence ordering as defined by the particular proximity method in play (see Auerbach, col. 8, lines 14-29). Applicant respectfully submits that the definition of proximity as disclosed by Auerbach above does not allow for possibly arbitrary fallback rules such as, for example, return to origin server after exhausting peer nodes within an arena. Applicant respectfully submits that neither Auerbach nor Martija disclose these elements of the newly amended claim language.

**Proposed Amendment:**

- 1           1. (Currently Amended) A method for optimizing traffic on a distributed
- 2           content delivery network, comprising:
- 3                 receiving a request for content from a client at a directory server;
- 4                 ~~identifying the client as a potential candidate server for the requested~~
- 5           ~~content;~~
- 6                 ~~adding the client to a list of potential candidate servers;~~
- 7                 determining if the client is a member of an arena in a list of arenas,
- 8           wherein an arena is a specified set of nodes on a network and at least one arena
- 9           has a plurality of nodes; and
- 10           if the client is a member of the arena, applying routing rules to the
- 11           delivery of content to the client, wherein the routing rules correspond to the arena;
- 12           and wherein the routing rules define the order of precedence for fallback within
- 13           each match set within a set of match sets as well as order of precedence for
- 14           fallback between the match sets~~including routing rules specific to the arena;~~
- 15           wherein a match set comprises at least one of:
- 16                         a subnet;
- 17                         an arena; and
- 18                         a router graph.

**Conclusion**

Examiner expressed concerns regarding clarity of the claim language in expressing features of the invention. Applicant agreed to address the issues.

Respectfully submitted,

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